GEYA® 格亚电气



GLC3 series
AC Contactor

The new series comes with 1NO + 1NC auxiliary functions

Easy selection

Product Naming Rules

GL	C	3	-	06	11	24V	50Hz
1	2	3		4	5	6	7

1 Corporate Code

2 AC Contactor

3 Design Serial Number

4 Rated Current
06A/09A/12A/18A/25A/32A/38A
40A/50A/65A/80A/95A/

5 Contactor Type
11：1NO+1NC

6 Control Voltage
AC: 24V/36V/48V/110V/220V/380V/
400V/415V

7 50Hz
50/60Hz

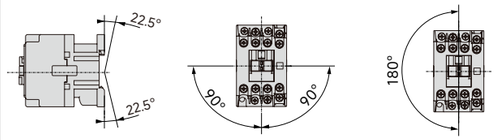
Product Feature

GLC3 AC contactor：06~95A,totally 12 current specifications
Accessories: PC transparent dust cover, F1 top auxiliary contact, FC1 side auxiliary contact, FY1 **a**ir delay head module, FR1 mechanical interlock, FR1 coil surge suppression module
Certification:CE、CB
Standards:IEC 60947-1 General provisions and IEC 60947-4-1

Technical Parameters

Contactor model			06	09	12	18	25	32	38	40	50	65	80	95
Rated operating current(Ie) AC-3	380/400V	A	6	9	12	18	25	32	38	40	50	65	80	95
	660/690V	A	3.8	6.6	8.9	12	18	22	22	34	39	42	49	49
Rated operating current(Ie)AC-4	380/400V	A	2.6	3.5	5	7.7	8.5	12	14	18.5	24	28	37	44
	660/690V	A	1	1.5	2	3.8	4.4	7.5	8.9	9	12	14	17.3	21.3
Rated control circuit voltage (Ue)		V	220V/230V、380V/400V、660V/690V											
Poles			3	3	3	3	3	3	3	3	3	3	3	3
Rated operating power(Pe)AC-3	380/400V	kW	2.2	4	5.5	7.5	11	15	18.5	18.5	22	30	37	45
	660/690V	kW	4	4	5.5	7.5	11	15	15	30	33	37	45	45
Rated operating power(Pe)AC-4	380/400V	kW	1.1	1.5	2.2	3.3	4	5.4	5.5	7.5	11	15	18.5	22
	660/690V	kW	0.75	1.1	1.5	3	3.7	5.5	6	7.5	10	11	15	18.5
Built-in auxiliary contact module			The contactor has one normally open and normally closed contact											
Suitable for manual - overload relay		A	01-10	01-10	01-13	01-18	01-24	01-32	01-32	01-40	01-50	01-65	0.1-104	
Work environment														
Rated insulation voltage (Ui)		V	690											
Rated impulse withstand voltage (Uimp)		kV	6											
Pollution class			3											
Standardize			IEC											
Certification			CE、CB											
Product protection grade			IP20											
Ambient temperature	Storage	℃	-60~-80											
	work	℃	-5~+40											
	Allowed to work under Us	℃	-40~+60											
Maximum working altitude	No reduction capacity	m	2000											

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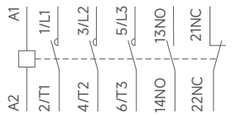
Contactor model			06	09	12	18	25	32	38	40	50	65	80	95
Working position The installation category is Class III	No reduction capacity		Allow 22.5° to normal vertical mounting surface 											
Flame retardant rating	Comply with IEC 60695-2-1 standard	°C	Housing and base V0 rating											
Main circuit terminal wiring capability														
Soft wire Without terminal	1 wire	mm^2	1..4	1..4	1..4	1..4	1..10	1..10	1..10	2..25	2..25	2..25	4...50	4...50
	2 wire	mm^2	1..4	1..4	1..4	1..4	1..6	1..6	1..6	2..16	2..16	2..16	4...25	4...25
Soft wire With terminal	1 wire	mm^2	1..4	1..4	1..4	1..4	1..6	1..6	1..6	2..25	2..25	2..25	4...50	4...50
	2 wire	mm^2	1..25	1..25	1..25	1..25	1..4	1..4	1..4	2..10	2..10	2..10	4...16	4...16
Hard wire Without terminal	1 wire	mm	1..4	1..4	1..4	1..4	1..6	1..6	1..6	2..25	2..25	2..25	4...50	4...50
	2 wire	mm	1..4	1..4	1..4	1..4	1..6	1..6	1..6	2..16	2..16	2..16	4...25	4...25
Tool	Phillips screwdriver		PH2	PH2	PH2	PH2	PH2	PH2	PH2	-	-	-	-	-
	Slotted point screwdriver		6	6	6	6	6	6	6	8	8	8	8	8
Tightening torque		N.m	1.2	1.2	1.2	1.2	1.7	1.7	1.7	5	5	5	9	9
Control circuit connection														
Soft wire With terminal	1 wire	mm^2	1..4	1..4	1..4	1..4	1..4	1..4	1..4	1..4	1..4	1..4	1..4	1..4
	2 wire	mm^2	1..25	1..25	1..25	1..25	1..25	1..25	1..25	1..25	1..25	1..25	1..25	1..25
Hard wire Without terminal	1 wire	mm^2	1..4	1..4	1..4	1..4	1..4	1..4	1..4	1..4	1..4	1..4	1..4	1..4
	2 wire	mm^2	1..4	1..4	1..4	1..4	1..4	1..4	1..4	1..4	1..4	1..4	1..4	1..4
Tool	Phillips screwdriver		PH2	PH2	PH2	PH2	PH2	PH2	PH2	PH2	PH2	PH2	PH2	PH2
	Slotted point screwdriver		6	6	6	6	6	6	6	6	6	6	6	6
Tightening torque		N.m	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Main contact characteristics														
Rated operating current(Ie) AC-3	380/400V	A	6	9	12	18	25	32	38	40	50	65	80	95
	660/690V	A	3.8	6.6	8.9	12	18	22	22	34	39	42	49	49
Rated operating current(Ie) AC-4	380/400V	A	2.6	3.5	5	7.7	8.5	12	14	18.5	24	28	37	44
	660/690V	A	1	1.5	2	3.8	4.4	7.5	8.9	9	12	14	17.3	21.3
Rated control circuit voltage (Ue)		V	220V/230V、 380V/400V、660V/690V											
Frequency range	Working current	Hz	50、50/60Hz											
Conventional thermal current(Ith)	θ≤40	A	16	20	20	25	32	40	50	60	80	80	100	100
Rated switching capacity (380V)	Comply with IEC60947 standard		10 x Ie(AC-3 usage category); 12 x Ie(AC-4 usage category)											

Contactor model			06	09	12	18	25	32	38	40	50	65	80	95
Rated breaking capacity (380V)	Comply with IEC60947 standard		8 x Ie(AC-3 usage category); 10 x Ie(AC-4 usage category)											
Short-time withstand current	10s	A	48	72	96	144	200	256	310	320	400	520	640	800
Protected by a fuse	No thermal overload relay Fuse gG	Type 1 A	20	20	20	25	40	50	63	80	100	160	200	200
		Type 2 A	10	10	10	20	25	50	63	80	100	125	160	160
Electrical life (380V)	AC-3	Ten thousand times	110	100	100	100	90	90	80	90	90	90	65	65
	AC-4	Ten thousand times	5	4	4	4	3	2.5	2.5	3	2.5	2.5	2	1.5
Ac control circuit characteristics														
Rated control circuit voltage (Us)	50Hz 50/60Hz	V	24V、36V、48V、110V、220V、380V、400V、415V											
Allowable control circuit voltage (Us)	Operation	V	85%~110%Us											
	Drop-out	V	AC 20%~70%Us											
Coil power	50Hz starting Cos =0.75	VA	70			110			220			220		
	50Hz release Cos =0.3	VA	< 9			< 9.5			< 36.6					
	Coil power	W	1.8~2.7			3~4			6~10			6~10		
thermal loss	50Hz	W	3~4	3~4	6~10	6~10	6~10	6~10	6~10	6~10	6~10	6~10	6~10	6~10
Actuation time	Close"C"	ms	12~25						20~26					
	Open"O"	ms	5~20						6~15					
Mechanical life	Ten thousand times		1200	1200	1200	1200	1000	1000	1000	900	900	900	650	650
Maximum operating frequency	Number of operations per hour (≤40°C)		3600											
The contactor comes with auxiliary contact features														
Contact specification			1NO and 1NC											
Rated operating current(Ie)	AC-15/DC-13	A	AC:0.95*DC:0.15											
Rated control circuit voltage (Ue)	AC-15/DC-13	V	AC:380V/DC:220											
Conventional thermal current(Ith)		A	10											
Rated insulation voltage (Ui)	Comply with IEC60947 standard	V	690											
Rated insulation voltage (Ui)	Comply with IEC60947 standard	kV	6											
short-circuit protection	gG fuse	A	10											
Rated switching capacity	Comply with IEC60947 standard	A	AC:140,DC:220											
Insulation resistance		MΩ	> 10											

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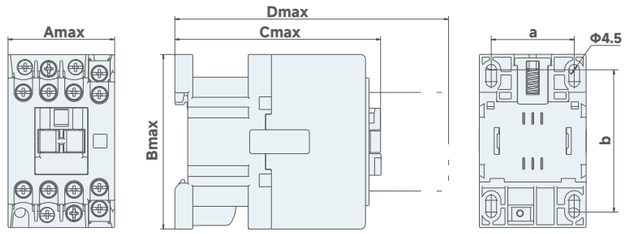
Wiring Diagram

GLC3-06~95

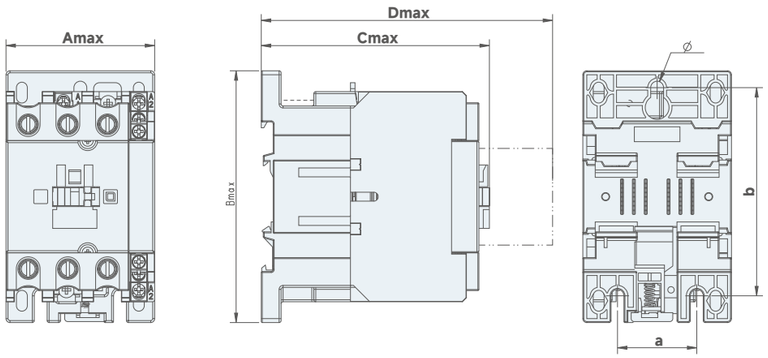


Overall and installation dinmensions(mm)

GLC3-06-38



GLC3-40-95



Model	Amax	Bmax	Cmax	Dmax	a	b
GLC3-06~18	45.5	73.5	87	125.5	35	60
GLC3-25~38	56.5	82.5	98	136.5	40	73.5
GLC3-40~65	79	128	116	154	40	100/110
GLC3-80~95	87	128	127	165	40	100/110



GLC3-1811



GLC3-3811

Selection Table

Motor power Pe(kW AC-3,380V)	Current Specification	Main contact		Auxiliary Contact		Model	Weight
kW	A	NO	NC	NO	NC		kg
2.2	6	3	-	1	1	GLC30611*	0.312
4	9	3	-	1	1	GLC30911*	0.312
5.5	12	3	-	1	1	GLC31211*	0.312
7.5	18	3	-	1	1	GLC31811*	0.312
11	25	3	-	1	1	GLC32511*	0.459
15	32	3	-	1	1	GLC33211*	0.459
18.5	38	3	-	1	1	GLC33811*	0.459
18.5	40	3	-	1	1	GLC14011*	1.337
22	50	3	-	1	1	GLC15011*	1.339
30	65	3	-	1	1	GLC16511*	1.340
37	80	3	-	1	1	GLC18011*	1.355
45	95	3	-	1	1	GLC19511*	1.355

Note: The "*" in the order code for GLC3 can be represented by the coil voltage code.

Control voltage code

Coil Voltage Us(V)	24	36	48	110	220	380	400	415
AC(50Hz)	B5	C5	E5	F5	M5	Q5	V5	N5
AC(50/60Hz)	B7	C7	E7	F7	M7	Q7	V7	N7

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